Hit-and-miss damper
SS-KN / SS-KS / SS-KR
## Contents

**Description** ................................................................................................................... 3  
**Construction** .................................................................................................................. 3  
**Model** ............................................................................................................................. 3  
**Accessories** ..................................................................................................................... 3  
**Models and dimensions** .................................................................................................. 3  
**Dimensions** .................................................................................................................... 3  
**Order code** ..................................................................................................................... 5  
**Specification texts** ......................................................................................................... 6

Description
Hit-and-miss damper types SS-KN and SS-KS for volumetric flow control are suitable as single grille or add-on piece, consisting of box and damper, with the ends of the air flow straightener turned upward, in order to adjust the air volume. On request, the hit-and-miss damper can be supplied with a one- or two-sided flange at an extra charge.

Hit-and-miss damper type SS-KR for volumetric flow control consisting of box and damper, with the ends of the air flow straightener turned upward, for installation in sheet metal / spiral ductwork.

Construction

Box
- Electrolytically galvanised sheet steel

Slider
- Electrolytically galvanised sheet steel

Model

SS-KN - Straight box shape for duct installation
SS-KS - Inclined box shape for duct installation

For installation in sheet metal / spiral ductwork
SS-KR - Straight box shape for pipe installation

Accessories

Flange
- One-sided (SS-KN / SS-KS)
- Two-sided (SS-KN)

Models and dimensions

Dimensions SS-KN

Available sizes

<table>
<thead>
<tr>
<th>SS-KN / SS-KS / SS-KR</th>
<th>L</th>
<th>L1</th>
<th>L2</th>
<th>H</th>
<th>H2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>315</td>
<td>310</td>
<td>358</td>
<td>65</td>
<td>60</td>
</tr>
<tr>
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<td>415</td>
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</tr>
<tr>
<td></td>
<td>615</td>
<td>610</td>
<td>658</td>
<td>315</td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>815</td>
<td>810</td>
<td>858</td>
<td></td>
<td></td>
</tr>
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</tr>
<tr>
<td></td>
<td>1215</td>
<td>1210</td>
<td>1258</td>
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<td></td>
</tr>
</tbody>
</table>

All combined lengths and heights available!
Special dimensions are not possible!

The L and H dimensions are the cut-out dimension in the duct or pipe.

06/01 - 3
Version: 20.04.2020

Construction subject to change.
No return possible!

Mounting options type SS-KN

<table>
<thead>
<tr>
<th>Duct diameter</th>
<th>SS-KR ØD</th>
<th>min.</th>
<th>ideal</th>
<th>max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø65</td>
<td>140</td>
<td>250</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Ø115</td>
<td>300</td>
<td>500</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Ø215</td>
<td>600</td>
<td>750</td>
<td>1250</td>
<td></td>
</tr>
<tr>
<td>Ø315</td>
<td>900</td>
<td>1000</td>
<td>1250</td>
<td></td>
</tr>
</tbody>
</table>

The grille frames only make optimum contact when the ideal duct diameter is used.

Duct diameter

The curved flange and the four height dimensions, apart from providing high stability and torsional rigidity, allow optimum adjustment of the hit-and-miss damper type SS-KR to sheet metal and spiral ductwork. The selection of the grille height depends on the duct measures shown in the table.

Order code

<table>
<thead>
<tr>
<th>01</th>
<th>02</th>
<th>03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Model</td>
<td>Length</td>
</tr>
</tbody>
</table>

Example

SS -KN -0315

<table>
<thead>
<tr>
<th>04</th>
<th>05</th>
<th>06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>Material</td>
<td>Duct connection</td>
</tr>
</tbody>
</table>

Sample
SS-KN-0315-065-SV-KA0
Hit-and-miss damper type SS | Straight box shape for duct installation | Length 315 mm | Height 65 mm | Galvanised sheet steel | Without flange

Order details

01 - Type
SS = Hit-and-miss damper

02 - Model
KN = Straight box shape for duct installation
KS = Inclined box shape for duct installation
KR = Straight box shape for pipe installation

03 - Length
0315 = Length 315 mm
0415 = Length 415 mm
0515 = Length 515 mm
0615 = Length 615 mm
0815 = Length 815 mm
1015 = Length 1015 mm
1215 = Length 1215 mm

04 - Height
065 = Height 65 mm
115 = Height 115 mm
215 = Height 215 mm
315 = Height 315 mm

05 - Material
SV = galvanised sheet steel (standard)

06 - Duct connection
KA0 = without flange (standard)
FL1 = With flange on one side (not possible for SS-KR)
FL2 = With flange on both sides (only possible for SS-KN)

Specification texts
Hit-and-miss damper type SS-KN, straight box shape for duct installation, made of electrolytically galvanised sheet steel, with the ends of the air flow straightener turned upward, for volumetric flow control.
Product: SCHAKO type SS-KN-…

- Type SS-KS inclined box shape for duct installation
  Product: SCHAKO type SS-KS-…

- Type SS-KR, straight box shape for pipe installation
  Product: SCHAKO type SS-KR-…

Accessories:
- Flange
  - One-sided (SS-KN / SS-KS)
  - Two-sided (SS-KN)